

**COMBATING TERRORISM TECHNOLOGY SUPPORT OFFICE
TECHNICAL SUPPORT WORKING GROUP (TSWG)
BROAD AGENCY ANNOUNCEMENT (BAA)
DAAD05-03-T-0023**

.....
Due Date for Receipt of Phase 1 Quad Charts

No Later Than April 4, 2003

**CB – Chemical, Biological, Radiological and Nuclear
Countermeasures**

IS – Investigative Support and Forensics

SC - Surveillance, Collection, and Operations Support

**All submittals are due by 1600 - 4:00 p.m.
Eastern Daylight Time (EDT) on the above date**

.....
March 5, 2003

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1. INTRODUCTION.

This is the Combating Terrorism Technology Support Office (CTTSO) Technical Support Working Group (TSWG) Broad Agency Announcement (BAA), DAAD05-03-T-0023, issued under the provisions of paragraph 6.102(d)(2)(i) of the Federal Acquisition Regulation (FAR), to provide for the competitive selection of research proposals. Contracts based on responses to this BAA are considered to be the result of full and open competition and in full compliance with the provisions of Public Law (PL) 98-369, "The Competition in Contracting Act of 1984." Awards for submittals under this BAA are planned in the first quarter of Fiscal Year (FY) 2004 at the earliest.

1.1. Approach.

A three-phased proposal selection process will be employed for this solicitation. Phase I will consist of the solicitation, receipt and evaluation of a one-page Summary Quad Chart (viewgraph) described later in this document. Phase II will consist of a solicitation of a White Paper (not to exceed 12 pages) from responders with qualifying Quad Chart evaluations. The White Paper shall include supporting information for data submitted in the summary Quad Chart and shall describe the problem/threat addressed, provide a more detailed proposed solution/approach, identify deliverables, describe work to be performed, describe the offeror's expertise to effect the proposed solution, and present estimated costs and schedule. Phase III will consist of a solicitation of a full proposal (not to exceed 50 pages) resulting from favorable White Paper evaluations. A final evaluation phase will be conducted upon receipt of full proposals.

1.2. HBCU/MI Set Aside.

In an attempt to maximize participation of Small Businesses and Historically Black Colleges, Universities (HBCU) and other Minority Institutions (MI), a goal of 2.5% of total dollars awarded under the listed mission areas will be set-aside for HBCU/MI and a goal of 2.5% of total dollars awarded under the listed mission areas will be set-aside for small businesses for a total goal of 5%. If set-asides are not determined possible after examination of all proposals submitted under this BAA, goals for total dollars expended will no longer be subject to any set-aside restriction. The Government encourages nonprofit organizations, educational institutions, small businesses, small disadvantaged business concerns, and HBCU/MIs, as well as large businesses and Government laboratories to submit research proposals for consideration.

To ensure full consideration in these programs be sure to select the appropriate categories and include accurate and relevant information when registering in the BAA Information Delivery System (BIDS) described later in this document.

1.3. Period of Performance.

Proposals that encompass a 12 to 18 month period of performance or less are anticipated for many of the requirements in this BAA. The Government may incrementally fund contracts including those that encompass more than a single fiscal year or exceed 12 months. Proposals shall contain a brief summary of the work contemplated for each period of performance (with associated cost data) so that the contract(s) may be negotiated for the entire program. Long-term proposals must include all tasking described in a phased approach. Also, the proposals must include a full cost proposal for the basic contract and any phases proposed. Any desired period for contract option exercise shall be negotiated at the time of contract award in accordance with the option clause set forth in the contract.

1.4. Technical Support.

It is the intent of this office to use contractor support personnel in the review, evaluation, and administration of all submittals for this BAA. All individuals in this category that will have access to any proprietary data shall certify that they will not disclose any information pertaining to this solicitation including any submittal, the identity of any submitters or any other information relative to this BAA. Submission of information in response to this BAA constitutes permission to disclose information to certified evaluators under these conditions.

1.5. Instructions and Points of Contact.

This BAA Package may be downloaded electronically in its entirety from www.bids.tswg.gov on the Home Page under Download BAAs. **Registration is not required** to download the BAA package; however, all unclassified proposals must be uploaded to BIDS and a registration is required to upload those submissions. BIDS registration requirements are discussed in section 3 of this document.

All contractual and technical questions regarding this BAA must be directed to the Contracting Officer, DAAD05-03-T-0023Questions@tswg.gov.

For help with BIDS, submit questions to BIDS administration at bidshelp@tswg.gov or by accessing the HELP REQUEST link located at the bottom of the BIDS Home Page. Please be sure to include the reason for your request in the text block provided.

Offerors are encouraged to periodically review the BAA question and answer section on the web site, www.bids.tswg.gov, located in the Frequently Asked Questions (FAQs) section of the main menu bar.

NOTE: Persons submitting proposals are advised that only the Contracting Officer may obligate the Government to any agreement involving expenditure of Government funds.

2. GENERAL INFORMATION.

2.1. Eligibility.

To be eligible for contract award, an offeror must meet certain minimum standards pertaining to financial solvency/resources, ability to comply with the performance schedule, prior record of performance, integrity, organization, experience, operational controls, technical skills, facilities, and equipment. See FAR 9.104. Additionally, all offerors MUST be registered in the Central Contractor Registration (CCR) database. See DFARS 204.7300. Website address for CCR database is <http://www.ccr.gov>.

2.2. Procurement Integrity, Standards of Conduct, Ethical Considerations.

Certain post-employment restrictions on former federal officers and employees may exist, including special Government employees (Section 207 of Title 18, United States Code). If a prospective offeror believes that a conflict of interest does exist, the situation should be raised to the issuing office's contracts representative before time and effort is expended in preparing a proposal.

2.3. Definitions.

2.3.1. Small Business Concern.

A concern that is independently owned and operated, is not dominant in the field of operation in which it is bidding on Government contracts, and meets the size standards in FAR 19.102.

2.3.2. Small Disadvantaged Business Concern.

"Small disadvantaged business concern" as used in FAR Part 19 (except for FAR Sections 52.212-3(c)(4) and 52.219-1(b)(2) for general statistical purposes and 52.212-3(c)(9)(ii), 52.219-22(b)(2), and 52.219-23(a) for joint ventures under the price evaluation adjustment for small disadvantaged business (SDB) concerns, means an offeror that represents, as part of its offer, that it is a small business under the size standard applicable to the acquisition; and either:

- (1) It has received certification as a small disadvantaged business concern consistent with 13 CFR part 124, subpart B; and
 - (i) No material change in disadvantaged ownership and control has occurred since its certification;
 - (ii) Where the concern is owned by one or more disadvantaged individuals, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and
 - (iii) It is identified, on the date of its representation, as a certified SDB concern in the database maintained by the Small Business Administration (SBA) (PRO-Net); or
- (2) For a prime contractor, it has submitted a completed application to the SBA or a private certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR part 124, subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since it submitted its application. In this case, a contractor must receive certification as an SDB by the SBA prior to contract award.

2.4. Restrictive Marking on Proposals.

All proposals should clearly indicate content disclosure limitations. Submittals may be marked as "Proprietary" or words to that effect; however, markings such as "Company Confidential" or other phrases that may be confused with national security classifications shall be avoided.

2.5. Submission Handling/Rights in Technical Data and Computer Software/Patent Rights - General.

2.5.1. Procurement Integrity.

The Government intends to comply with FAR 3.104 in its treatment of information submitted in response to this BAA solicitation and marked with the individual or company's legend.

2.5.2. Rights in Technical Data and Computer Software.

Rights in technical data, computer software and software documentation provided in the proposal shall be treated in accordance with the DFARS 252.227-7016, entitled "Rights in Bid and Proposal Information." Rights in technical data, computer software and computer software documentation in the resultant contract shall be in accordance with DFARS 252.227-7013 (regarding technical data) and DFARS 252.227-7014 (regarding computer software and software documentation). Both clauses (DFARS 252.227-7013 and – 7014) shall be included in any non-commercial contract exceeding the simplified acquisition threshold. Other clauses to be included in the contract are: DFARS 252.227-7017, DFARS 252.227-7019, Validation of Asserted Restrictions - Computer Software; DFARS 252.227-7025, Limitations on the Use or Disclosure of Government-Furnished Information marked with Restrictive Legends; DFARS 252.227-7027, Deferred Ordering of Technical Data or Computer Software; DFARS 252.227-7030, Technical Data-Withholding of Payment; DFARS 252.227-7036, Declaration of Technical Data Conformity; and DFARS 252.227-7037, Validation of Restrictive Markings on Technical Data.

2.5.3. Submission Information and FOIA.

Records or data bearing a restrictive legend may be included in the proposal. The offeror is cautioned; however, that portions of the proposal may be subject to release under terms of the Freedom of Information Act (FOIA), 5 U.S.C. 552, as amended. In accordance with FOIA regulations, the offeror will be afforded the opportunity to comment on, or object to the release of proposal information.

2.6. Report Requirements.

The number and types of deliverable reports shall be specified in the contractual document. The reports shall be prepared and submitted in accordance with the procedures contained in the contract, based on the minimum reporting requirements, the offeror's proposal, and as mutually agreed upon before award. A Final Report that summarizes the project and associated tasks is required at the conclusion of each contract, notwithstanding the fact that the research may be continued under a follow-on contract. Monthly Reports documenting program and financial status are required. In addition, test plans, test and technical reports, technical data, specifications, computer programs or other data, as appropriate, should be specified based on the proposed efforts.

2.7. Subcontracting.

Pursuant to Section 8(d) of the Small Business Act (15 U.S.C. 637(d)), it is the policy of the Government to enable small business and small disadvantaged business concerns to be considered fairly as subcontractors to contractors performing work or rendering services as prime contractors or subcontractors under Government contracts, and to assure that prime contractors and subcontractors carry out this policy.

3. PROPOSAL PREPARATION.

This section provides information needed by the individual preparing the proposal for submission under this BAA.

3.1. General Guidance.

All submittals must strictly follow the instructions in this announcement and include the information specified to avoid delays in evaluation or disqualification of a submittal.

3.1.1. Continuing Research Requirements.

A proposal for continuation of a given research project will be considered on the same basis as proposals for new research agreements. The proposal must be submitted sufficiently in advance of the termination of the existing agreement so that if it is accepted, support may be continued without interruption.

3.1.2. BAA Information Delivery System (BIDS).

The BIDS, in operation at www.bids.tswg.gov, will be used to provide public access to the BAA package and will be used to collect all **unclassified** submittals under this BAA. A BIDS registration is not necessary to download the BAA package. A Submitter Registration is required to respond to this BAA to upload submittal response data. The offeror must complete all mandatory fields on the submitter registration form in BIDS including a User Name that will be used for login and as part of document identifiers for submissions described later in this BAA package. Registration acceptance for submitters is automatic and will be transmitted by email indicating the User Name for login, but may take a few minutes to be recognized by BIDS. Questions regarding BIDS may be addressed via email to TSWG BAA Administrators at bidshelp@tswg.gov or by accessing the HELP REQUEST at the bottom of the BIDS Home Page. For password resets, if you know your User Name and have a valid email address, the password can be reset automatically by selecting "Forgot My Password." A new password will be sent to the email address. Use the HELP REQUEST if you are having problems with your BIDS account. Registration account information can be updated by the user after login. The email address for a specific User Name in the BIDS registration serves as the notification point for all email correspondence to that "user" and should be the point of contact for the Government Contracting Officer.

3.1.2.1. Format and Submittal Upload.

All unclassified responses shall be uploaded to BIDS in the electronic format specified and each must include all information requested for each submittal type as described in this document. Each follow-on submittal shall not be uploaded until the previous submittal has been evaluated and an email request for the next submittal is received by the offeror from the contracting officer.

3.1.2.2. Cover Page/Submittal Markings.

The cover page of all submittals (or margin headers for all Quad Charts) shall be marked with the appropriate *BAA Announcement Number*, *Requirement Number* and *Title* as well as a *Document Identifier* described below. Additionally, for any classified material, the document must be clearly marked in accordance with appropriate security regulations.

3.1.2.3. Document Identifier.

The offeror shall insert a "Document Identifier" into the header (top margin area) of each submittal. The identifier shall be unique to any other submittal from the offeror and **MUST** be formatted with the targeted Mission Area or subgroup (i.e. CB or IS), the Requirement Number, the User Name and the submitter internal tracking number. The constructed document identifier is frequently used by the evaluation team to identify each submittal and to connect downloaded/printed documents with evaluation records posted into on-line collaboration software.

For example, Document Identifiers are formatted as follows:

MissionArea-Requirement Number-UserName-Submitter Internal Tracking Number.

Note: When actually uploading the document to a specific requirement in BIDS (on-line), the appropriate prefix (underlined in the example) is automatically generated by the system and attached to the submitter internal tracking number which is unique and created by the offeror. The document identifier should be inserted into the header of the uploaded document and MUST match the document identifier in BIDS.

The system enforces unique tracking numbers for each offeror and will not allow an upload of a submittal document if the submitter internal tracking number has already been used. For best tracking purposes, it is recommended that offeror use tracking numbers that will indicate the Phase to which the document was submitted. For example, {submitter internal tracking number}-01 would indicate that the document was submitted to Phase 1, and a suffix of -02 would indicate that the document was submitted to Phase 2, thereby making each number unique by virtue of the suffix. An alternative is to use -QC for a Quad Chart submittal, -WP for a White Paper and -FP as the final proposal, all unique because of the dash characters.

3.1.3. BIDS Security and Submittal Changes.

All data uploaded to BIDS is secure from public view or download. All submissions will be considered proprietary/source selection sensitive and protected accordingly. The documents may only be reviewed by the registrant, authorized Government representatives, and assigned evaluators. Changes to uploaded responses will be permitted up to the closing date and time. If the offeror wishes to submit a modified requirement response, the offeror must first delete the previous response and then upload a modified document. Changes after the requirement due date will not be permitted.

3.1.4. Special Handling/Procedures for Classified Information.

If a submittal contains classified information, the offeror must first obtain a submittal number through BIDS for tracking purposes and identify in the comments section why the submittal cannot be uploaded and submitted via the automated system. The BIDS tracking number must be clearly identified on the mailed submittal. Classified responses (up to SECRET) must be appropriately marked, sealed and mailed in accordance with classified material handling procedures. **All classified documents must be packaged and shipped in accordance with regulations and instructions pertaining to the level of classification.**

For classified submittals, send an email to security@tswg.gov. Mailing instructions will be provided at that time.

Classified documents MUST be mailed and MUST be received by the applicable due date and time. Classification does not in any way eliminate the offeror's requirement to comply with all instructions in this BAA.

3.2. Phase I Submittals.

3.2.1. General.

Offerors shall respond to Phase I of this BAA using a one-page Quad Chart in the format depicted in the Quad Chart samples downloadable from the BIDS web site "Reference Materials" option in the right hand panel. The Quad Chart must be received electronically through BIDS (unclassified) or received by mail (classified only) no later than **1600 (4:00 p.m.) EST on April 4, 2003**. Upon request, the offeror may be required to provide access to pending patent applications.

3.2.2. File Format and Content.

The Quad Chart shall be prepared in color or black and white in Microsoft Word 97, Microsoft PowerPoint 95, or Adobe Acrobat (PDF – portable document format) electronic file format. The document must be print-capable, without password, using text font and graphic file formats that will cause the document to be NO LARGER THAN 500KB IN FILE SIZE. Graphic images inserted into the document should be in a file format

(such as GIF/JPEG) that will minimize file size and support clear SVGA display and document printing (96 DPI recommended). The offeror shall upload the submittal via the BIDS response form for each requirement before the due date and time, and in accordance with instructions in sections 3.1 and 3.2. Prior to submittal, the offeror must ensure that the prepared chart includes the document identification header content as described in this document. The offeror should also ensure that the candidate proposal meets the needs of the requirement including cost, technical feasibility and other evaluation criteria as identified in this BAA.

3.2.3. Notification to Offeror.

Following review of the Quad Chart, the Government will notify the offeror when a submittal has been accepted or rejected. Notification of acceptance accompanied with a request to submit the Phase II requirement (White Paper) will be emailed to the offeror's contracting authority as entered in the BIDS registration and will indicate the new submittal due date and time. Notifications of rejection will likewise be emailed to the address provided by the offeror during BIDS registration. Debriefings for Quad Charts are not anticipated due to the nature of a BAA. It should generally be assumed that the reason a proposed solution was not considered for further review was that it did not fit the needs of the TSWG, that it was too costly, or that it failed to meet requirements as specified for technical evaluation.

3.2.4. Status and Inquiries.

Phase I is complete when all submissions have been accepted or rejected in accordance with paragraph 3.2.3 above. Telephonic inquiries concerning the status of Quad Charts will not be accepted.

3.3. Phase II Submittals.

3.3.1. General.

The second phase consists of a White Paper submitted with no more than 12 pages (including figures, charts, and tables, but excluding the cover page). All submittal pages must be formatted using single-side, double-spaced pages, font no smaller than 10 point, with 1-inch page margins (left/right/top/bottom). If the White Paper is longer than 12 pages, only the first 12 pages will be evaluated.

3.3.2. File Format and Content.

The White Paper shall be prepared in color or black and white in Microsoft Word 97 or Adobe Acrobat PDF electronic file format. The document must be print-capable and without password. All text and graphic content MUST NOT EXCEED 500KB IN TOTAL FILE SIZE. Graphic images inserted into the document should be in a file format (such as GIF/JPEG) that will minimize file size and support clear SVGA display and document printing (96 DPI recommended). The offeror shall upload the submittal via the BIDS response form (select "create next submission" from the accepted submittal) before the due date and time (i.e. 30 days from the date of the notification email), and in accordance with instructions in section 3.1 above. Prior to submittal, the offeror must ensure that the submittal includes the document identification header content as described in section 3.1 of this document. The offeror should also ensure that the submittal meets the needs of the requirement including cost, technical feasibility and other evaluation criteria as identified in this BAA.

3.3.3. Technical Content.

The White Paper shall describe the problem/threat addressed in the BAA Requirement and include:

3.3.3.1. Description of the proposed solution including underlying theory, a suggested concept of operations and potential users. Include a description of similar work performed, including what agency funded the effort.

3.3.3.2. Description of the proposed tasks and associated deliverables. Include definition of anticipated risks, planned mitigation efforts, work to be performed by the offeror, by other organizations, and any required Government furnished material (GFM) or information (GFI). Include clear descriptions of proposed

phases, decision points and/or options. The offeror's proposed position on ownership of intellectual property shall also be described. Upon request, the offeror may be required to provide access to pending patent applications.

3.3.3.3. Description of the planned methodology to transition to production and the suggested field support methodology, including:

3.3.3.3.1. A description of the offeror's capability and/or experience in doing this type of work. Include description of co-participants' capabilities and/or experience as well. State whether agreement has been reached with proposed co-participants.

3.3.3.3.2. A Master Project Schedule preferably in Gantt chart format. Schedule should show planned start and stop point of each phase and subordinate tasks, estimated delivery dates, and decision points. Period of performance will be assumed to be the last completion date shown unless otherwise stated.

3.3.3.3.3. A proposed, task-phased budgetary estimate. At a minimum, this estimate shall detail estimated labor hours and costs and anticipated material and other costs. Costs allocated to other organizations, e.g., Government testing, shall also be clearly shown. Estimated production unit costs should also be included.

3.3.3.4. Identification of Rights in Technical Data and Computer Software/Patent Rights. Technical data and computer software to be delivered with less than unlimited rights should be identified as prescribed by DFARS 252.227-7017 and DFARS 252.227-7028.

3.3.3.5. Technology Transition. The White Paper shall contain a brief discussion on the proposed concept for commercializing or transitioning the technology to production if the project is successful. If the offeror's proposal is based on technology that has a patent applied for, or issued, the offeror must provide the patent number or application serial number.

3.3.4. Notification to Offeror.

Following review of the White Paper, the Government will notify the offeror (normally within 90 days of the submittal close date) when a submittal has been accepted or rejected. Notification of acceptance accompanied with a request to submit the Phase III requirement (Proposal) will be emailed to the offeror's contracting authority as entered in the BIDS registration and will indicate the new submittal due date and time. Notifications of rejection will likewise be emailed to the address provided by the offeror during BIDS registration. Debriefings for White Papers are not anticipated due to the nature of the BAA. It should generally be assumed that the reason a White Paper was not considered for further review was that it did not fit the needs of the TSWG, that it was too costly, or that it failed to meet requirements as specified for technical evaluation.

3.3.5. Status and Inquiries.

Phase II is complete when all submissions have been accepted or rejected in accordance with paragraph 3.3.4 above. Telephonic inquiries concerning the status of White Paper submittals will not be accepted.

3.4. Phase III Submittals.

3.4.1. General.

The primary objective of the phased solicitation approach used in this BAA is to minimize cost and effort of prospective offerors. Accordingly, full proposals will only be requested for qualifying solutions that have a high probability of award. However, the Government reserves the right to cancel any Phase III solicitation prior to award. It is requested that proposals be divided into two "uploadable" documents/files. The first document should include all technical and contractual information. The second document shall include all cost information preferably in spreadsheet format. Each single file shall not exceed 500KB in total file size.

In any case, technical descriptions shall not exceed 50 pages including cover page, figures, charts and tables (excluding any forms requested within this BAA package). All submittal pages must be formatted using single-sided, double-spaced pages, font no smaller than 10 point, with 1-inch page margins (left/right/top/bottom). Each proposal submittal shall reference the BAA Number, the BAA Mission Area Title, the specific Requirement Number and Title as identified in Section 5 and include a Document Identifier as described in section 3.1 of this document. Classified proposals (up to SECRET) must be appropriately marked, sealed, and mailed in accordance with classified material handling procedures. Proposals received after the closing date will not be considered by the Government.

3.4.2. File Format and Content.

The proposal shall be prepared in color or black and white in Microsoft Word 97, Microsoft Excel 97 or Adobe Acrobat PDF electronic file format. The document must be print-capable and without password. Total text and graphic content in any upload section of the proposal MUST NOT EXCEED 500KB IN TOTAL FILE SIZE. Graphic images inserted into submittal documents should be in a file format (such as GIF/JPEG) that will minimize file size and support clear SVGA display and document printing (96 DPI recommended). All (unclassified) submittals shall be uploaded via the BIDS response upload form (select "create next submission" from the accepted submittal) before the due date and time specified in the email notice (i.e. 30 days from the date of the notification email) and in accordance with section 3.1 above.

3.4.3. Technical.

The technical portion of the proposal shall contain the following:

3.4.3.1. A title and an abstract that includes a concise statement of work and basic approaches to be used. This should be on a separate page and in a form suitable for release under the Freedom of Information Act, 5 U.S.C. 552, as amended. The statement of work should indicate the effort intended for the period of performance.

3.4.3.2. The technical portion shall include an Executive Summary, a technical approach, description of relevant prior work, a program plan including a statement of work, facilities and equipment descriptions, list of documentation and reports, and a management plan. All paragraphs containing proprietary information must be clearly marked.

3.4.3.3. The proposal shall include a section on technology transition planning that discusses the proposed approach for commercializing or transitioning the prototype technology to production. This section shall identify any existing intellectual property claims or intentions. The offeror shall specifically indicate if there is a patent pending (and the patent application number, if received) or a patent issued with the patent number(s). The offeror shall include a statement on licensing or venturing plans, as applicable, if the project is successful. The offeror shall discuss barriers to commercialization, such as anticipated regulatory issues (such as environmental, safety, health, and transportation), liability issues, interoperability, financing, etc. and planned steps to address these barriers. Also, if not covered in other sections, this section shall address interaction with potential users.

3.4.3.4. The names, brief biography, and a list of recent publications of the offeror's key personnel (including alternates, if desired) who will be involved in the research. Documentation of previous work or experience in the field of the offeror is especially important.

3.4.3.5. The type of support, if any, the offeror might request from the Government, such as facilities, equipment, or materials.

3.4.3.6. The names of other federal, state, or local agencies or other parties receiving the proposal and/or funding the proposed effort. If none, so state.

3.4.3.7. A statement regarding possible impact, if any, of the proposal's effect on the environment. If none,

so state.

3.4.3.8. A brief description of the offeror's organization.

3.4.3.9. The offeror shall indicate the total scope of work to be performed for this effort.

3.4.4. Cost.

The cost information of the proposal shall contain the following:

3.4.4.1. A cost estimate that is sufficiently detailed by element of cost for meaningful evaluation. Cost breakdown shall include materials, direct labor, indirect costs, and other direct costs such as special test equipment or travel. Offerors shall provide exhibits as necessary to substantiate the cost elements.

3.4.4.2. A cost-element breakdown shall be attached for each proposed line item and must reflect all specific requirements. Supporting breakdowns must be furnished for each cost element, consistent with the offeror's cost accounting system. When more than one contract line item is proposed, summary total amounts covering all line items must be furnished for each cost element. If agreement has been reached with Government representatives on the use of forward pricing rates/factors, identify the agreement. Depending on the offeror's system, breakdowns shall be provided for the following basic elements of cost, as applicable:

3.4.4.2.1. Materials: Provide a consolidated price summary of individual material quantities included in the various tasks, orders, or contract line items being proposed and the basis for pricing (vendor quotes, invoice prices, etc.). Include new materials, parts, components, assemblies, and services to be produced or performed by others. For all items proposed, identify the item and show the source, quantity, and price.

3.4.4.2.2. Competitive Methods: For those acquisitions (e.g., subcontract, purchase orders, material orders) over \$100,000 priced on a competitive basis, also provide data showing degree of competition and the basis for establishing the source and reasonableness of price. For inter-organizational transfers priced at other than cost of the comparable competitive commercial work of the division, subsidiary, or affiliate of the contractor; explain the pricing method (See FAR 31.205-26(e)).

3.4.4.2.3. Established Catalog or Market Prices/Prices Set By Law or Regulation: When an exemption from the requirement to submit cost or pricing data is claimed, whether the item was produced by others or by the offeror, provide justification for the exemption.

3.4.4.2.4. Noncompetitive Methods: For those acquisitions (e.g., subcontract, purchase orders, material orders) over \$550,000 priced on a noncompetitive basis, also provide data showing the basis for establishing source and reasonableness of price. For standard commercial items fabricated by the offeror that are generally stocked in inventory, provide a separate cost breakdown if price is based on cost. For inter-organizational transfers priced at cost, provide a separate breakdown of cost by elements.

3.4.4.2.5. Direct Labor: Provide a list of participants, not necessarily by name, showing a time phased (e.g., monthly, quarterly) breakdown of labor hours, rates, and cost by appropriate category, and furnish basis for estimates.

3.4.4.2.6. Indirect Costs: Indicate how offeror has computed and applied offeror's indirect costs. Indicate the rates used and provide an appropriate explanation.

3.4.4.2.7. Other Costs: List all other costs not otherwise included in the categories described above (e.g., special tooling, travel, computer and consultant services, preservation, packaging and packing, spoilage and rework) and provide basis for pricing.

3.4.4.2.8. Royalties: If more than \$250, provide the following information on a separate page for each separate royalty or license fee:

- Name And Address of Licensor
- Date of the License Agreement
- Patent numbers, Patent Application Serial Numbers, or other basis on which the royalty is payable
- Brief description (including any part or model numbers of each contract item or component on which the royalty is payable)
- Percentage or dollar rate of royalty per unit
- Unit price of contract item
- Number of units
- Total dollar amount of royalties

Note: A copy of the current license agreement and identification of applicable claims of specific patents may be specifically requested by the contracting officer. (See FAR 27.204 and 31.205.37.)

3.4.4.2.9. Facilities Capital Cost of Money: When the offeror elects to claim facilities capital cost of money as an allowable cost, the offeror must submit Form CASB-CMF and show the calculation of the proposed amount. See FAR 31.205-10.

3.4.4.2.10. FEE: Include the fee, if any, proposed for this effort.

3.4.5. Contractual.

The contractual portion of the proposal should contain the following:

3.4.5.1. Identify the offeror's contracting point of contact including name, telephone number, email address, facsimile number, mailing address and other contact information.

3.4.5.2. The type of contract preferred. Generally, the contract type most used is Cost Plus Fixed Fee (CPFF).

3.4.5.3. Proposed duration of effort, basic contract, and any options.

3.4.5.4. The identity of any members of the organization with potential conflicts of interest. Possible conflicts of interest include any people with prior federal employment including employment of the principal investigator as a special Government employee (duties, agency with whom employed, dates of employment) within two years from the date of proposal submission. If none, so state.

3.4.5.5. If the offeror is proposing to perform research in a classified area, indicate the level of classification of the research and the level of clearance of the potential principal investigator and all other proposed personnel. Also indicate the Government agency that issued the clearances.

3.4.5.6. A list of property required to perform the proposed research, separating items to be acquired with contract funds and those to be furnished by the Government. When possible, the description or title and estimated or known unit and total costs of each item should be shown (i.e., manufacturer, catalog price, or previous purchase price). When such information on individual items is not available, the items should be grouped by class and estimated values indicated. In addition, the offeror must include a statement as to why it is necessary to acquire the property with contract funds, and if applicable, express in writing his unwillingness or financial inability to acquire the items with his own resources. Please note that the FAR generally prohibits providing an industrial contractor with facilities (including plant equipment and real property) with a unit acquisition cost of less than \$10,000.

3.4.5.7. If the total amount of the proposal exceeds \$550,000 and the offeror is not a small business, the offeror shall submit a subcontracting plan for small business and small socially and economically disadvantaged business concerns. A mutually agreeable plan will be included in and made a part of the resultant contract. The contract cannot be executed unless the contracting officer determines that the plan provides the maximum practicable opportunity for small business and small disadvantaged business concerns to participate in the performance of the contract.

3.4.6. Notification to Offerors.

Phase III is complete when the Government concludes technical evaluations and transitions to formal negotiations. Notification of acceptance or rejection of a Phase III Proposal will be sent via email to the offeror's principal contact as entered in the BIDS registration. A formal debriefing may be requested by the offeror if the Government does not accept the Phase III proposal. Telephonic inquiries concerning the status of Phase III prior to official notification will not be accepted.

4. PROPOSAL EVALUATION.

4.1. Objective.

The TSWG conducts rapid prototype development focused on critical multi-agency and future threat counter/anti-terrorism requirements. The primary TSWG mission is to conduct the National Interagency Research and Development (R&D) Program for combating terrorism through rapid research, development, and prototyping. This agency's program objectives are to provide an interagency forum to coordinate R&D requirements for combating terrorism, to sponsor R&D not otherwise being addressed by individual agencies, and to promote information transfer among the participating agencies.

4.2. Evaluation Criteria.

The criteria to be used to evaluate and select proposals for TSWG projects are described in the following paragraphs. Each proposal will be evaluated on the merit and relevance of the specific proposal as it relates to the TSWG program rather than against other proposals for research in the same general area.

4.2.1. Basic Requirement.

The proposed solution meets the letter and intent of the stated requirement and all elements within the proposal exhibit a comprehensive understanding of the problem and the requirements of intended end users. The proposed solution meets multiple TSWG user (either U.S. Government or commercial) needs and is conclusive with full compliance and justification of each required element in the solicitation.

4.2.2. Technical Performance.

The proposed technical approach is feasible, achievable, complete and supported by a proposed technical team that has the expertise and experience to accomplish the proposed tasks. Task descriptions and associated technical elements provided are complete and in a logical sequence with all proposed deliverables clearly defined such that a final product that achieves the requirement can be expected as a result in the award. The proposal identifies all technical risks and planned mitigation efforts are clearly defined and feasible. The roles of the prime and other participants required are clearly distinguished and pre-coordination with all participants (including Government facilities) fully documented. The requirement for and the anticipated use or integration of GFM including all equipment, facilities, information, etc. is fully described including dates when such GFM will be required. Intellectual property ownership and the planned transition to production are adequately addressed, including a support concept for product described. Similar efforts completed by the offeror in this area are fully described including identification of other Government sponsors.

4.2.3. Contractor Past Performance.

The offeror's past performance in similar efforts clearly demonstrates an ability to deliver products that meet the proposed technical performance requirements within the proposed budget and schedule. The proposed project team has the expertise to manage the cost and schedule.

4.2.4. Schedule.

The proposed schedule is complete and achievable. The proposal indicates that the offeror has fully analyzed the project's critical path and has addressed the resulting schedule risks.

4.2.5. Cost.

The proposed costs are both reasonable for the work proposed and affordable. The proposal documents all anticipated costs including those of associate, participating organizations. The proposal demonstrates that the offeror has fully analyzed budget requirements and addressed resulting cost risks. All cost-sharing and leveraging opportunities have been explored and identified. Other sponsors who have funded or are funding this offeror for the same or similar efforts are identified.

5. TECHNOLOGY DEVELOPMENT REQUIREMENT TARGETS AND OBJECTIVES.

TSWG is interested in soliciting proposals in the following areas combating terrorism. The intent of this BAA is to identify technologies and approaches that provide near-, mid-, and long-term solutions that enhance the capabilities of the US Government to combat or mitigate terrorism. The level of detail provided for each specific mission area requirement or the order in which requirements appear is not intended to convey any information regarding relative priority. As a reminder, every submittal must have a document identifier that includes the mission area designator (i.e. CB or IS), the requirement number and a submitter tracking number as described in section 3 of this document.

5.1. Chemical, Biological, Radiological and Nuclear Countermeasures (CB) Mission Area/Subgroup

The Chemical, Biological, Radiological and Nuclear Countermeasures (CBRNC) Subgroup is responsible for identifying and developing user requirements and associated technologies and equipment to support Chemical, Biological, Radiological and Nuclear Countermeasures. This includes development of personal protective equipment and systems to detect, assess, mitigate, and decontaminate improvised chemical, biological, radiological and nuclear countermeasures devices in non-battlefield scenarios. The types of systems are categorized into four areas: Detection/Identification, Mitigation/Decontamination, Protection, and Information Products and Training.

R1007 Handheld Confirmatory Biological Dosimetry Tool

Develop a low-cost, rapid, reliable and minimally invasive biodosimetry assay for use in triage of the victims to facilitate the effective management of medical resources. The system shall rapidly (<90 minutes) and reliably identify personnel exposed to less than 1 Gray (100 Rad) based on analysis of biochemical or biophysical markers in peripheral biological samples (buccal swab, blood, hair, saliva, urine, etc). The assay shall also provide quantitative individual exposure data based on these same markers for individuals with 1 Gray to 5 Gray (100 – 500 Rad exposures). The system shall be usable in the field by an Emergency Medical Technician or comparably trained military or civilian personnel. It shall be battery powered (at least 4 hours) and about the size of a defibrillator. Consumables shall be minimized and should not require special storage conditions. Throughput per hour should be maximized (parallel processing, multiplexing or quick processing).

R1008 Expedient Tactical Self Contained Breathing Apparatus (ET-SCBA)

Develop a lightweight (less than 10 lbs), rapidly donnable (less than 30 seconds), self-contained breathing apparatus (SCBA) system for use by tactical law enforcement and security response team members. The system must not unduly impede the performance of other critical mission capabilities such as the ability to effectively fire a weapon, communicate, and perform tactical movements (low crawl, forced entry, wall climbing, etc.). The system must interface with existing full-face air purifying or powered air purifying respirators and be compatible with other masks with standard NATO interfaces. The system must also have the capability to replenish the air supply and be capable of switching to negative pressure filtration mode in the "hot zone" without compromising protection. It is desired that the cost of the system not exceed \$600.00 (excluding mask) with a service life of about 10 years. Logistics costs should be minimized and alternate mask designs are not desired. Concepts for the ET-SCBA should not be limited to air tank and regulator systems; new concepts in oxygen generation or re-breather systems are encouraged.

R1017 Personal Hydration System Water Purifier

Develop a modular, inline, plug and play water purifier for rendering safe for human consumption non-potable water that is potentially contaminated with chemical, biological or radiological materials or toxic industrial materials. The in-line purification system will connect securely to existing mask hydration systems for use in a CBR/TIM contaminated environment. These capabilities are required to optimize individual hydration, thus reducing the incidence of heat stress while wearing CBRN protective equipment for extended periods. The system shall purify three liters of water in less than 10 minutes (desired)/15 minutes (required). Purification includes the following contaminants: silt, clay, dirt, sand, mud, waterborne pathogens (including biological warfare agents, bacteria, viruses, and protozoan cysts), hazardous chemicals (including chemical

warfare agents), salts, and pesticides. The system should be capable of producing at least 500 liters (desired)/400 liters (required) of purified water before replacement of any components to include filter elements. Expended filter units may be disposable or reusable after replacement of purification components (i.e. filters) and sanitation in a non-contaminated environment. The system will be lightweight with a goal of less than 10 ounces (dry weight). It will be configurable to tailor purification capabilities for mission requirements.

R1018 Concentration and Extraction Techniques (Air Samples)

Develop a capability for the extraction and concentration of selected chemical and biological vapor and particulate contaminants from air. Agents of interest in priority order are chemical warfare agents, biological warfare pathogens, select toxic industrial chemicals, pesticides and pharmaceuticals. In addition to the primary toxic/infectious agents, the system should also collect precursors, byproducts and decomposition products. The technology shall concentrate the materials of interest with a goal of at least 1,000,000X which may vary depending on the specific agents. The technology should be field portable (i.e., of a size and weight such that a single person could move it) and sufficiently rugged to withstand field conditions. A portable power supply capable of at least one week operation unattended is needed. The output of the extraction and concentration system shall be compatible with currently available laboratory and field detection systems. A "plug-and-play" functionality that allows different detectors to be used with the same extraction and concentration system is desired.

R1019 Concentration and Extraction Techniques (Water Samples)

Develop capability for the extraction and concentration of selected chemical and biological solutes and particulate contaminants from water. Agents of interest in priority order are chemical warfare agents, biological toxins, biological warfare pathogens, pesticides, select toxic industrial chemicals, and pharmaceuticals. In addition to the primary toxic/infectious agents, the system should also collect precursors, byproducts, and decomposition products, particularly for the chemical warfare agents. The technology should be capable of concentrating chemical agents from 10X to 1000X, and biological pathogens from 1000X to 1,000,000X, depending on the target analyte. The technology should be field portable (i.e., of a size and weight such that a single person could move it) and sufficiently rugged to withstand field conditions. A portable power supply capable of at least one week operation unattended is needed. The output of the extraction and concentration system shall be compatible with currently available laboratory and field detection systems. A "plug-and-play" functionality that allows different detectors to be used with the same extraction and concentration system is desired.

R1029 Identifying Terrorists Working with CBRN Materials

Develop methods to determine if terrorists have recently worked with CBRN materials. Identify and characterize the chemical and/or physical changes resulting from intermittent less than lethal exposure to chemical warfare nerve, blister, blood and choking agents; radiation from nuclear weapons or potential radiological dispersion devices; and biological warfare agents. These phenomena shall be used to develop expedient field assays (desired) and devise definitive laboratory protocols (required) to positively associate alleged terrorists in custody with exposure to one or more types of weapons of mass destruction. The matrices of interest include clothing, hair, skin, blood, bodily wastes, teeth and bone from living or dead individuals in custody. The chemical and/or physical changes must be sufficiently stable to be detectable days to weeks after the individual's exposure. The ability to identify instances of repeated exposure and to estimate the time elapsed since the last exposure is desired.

R1033 Cell Phone Reporting System

Develop a rapidly deployable system to enable disaffected troops and civilians to report the location of enemy leaders, terrorists or other critical intelligence. The system shall deploy low cost (disposable) cell phones in the airdrop tubes currently used for PSYOPS transistor radio delivery. Cell phones will have about an 8-hour battery life with easily understood instructions in graphical form or in the vernacular. GPS

position and serial numbers encoded in the cell phone transmission will provide geolocation, authentication and identification. The serial number of the phone can be used to determine distribution of financial rewards for “dropping a dime” on terrorist leaders resulting in their capture. Calls will be relayed by an airborne (aerostat, long endurance UAV or manned aircraft) repeater to a ground processing station manned by U.S. or friendly nation personnel for integration into the all-source intelligence picture.

R1036 Improved Chemical Protective Ensemble

Develop new materials and non-encapsulating suit designs that provide the same level of vapor, aerosol and splash protection from chemical, biological and radiological agents as the fully encapsulating NFPA 1994 Class 1/Level “A” ensemble (<http://www.nfpa.org/Codes/CodesandStandards/HazMat/HazMat.asp>) to include gloves and boots. The ensemble will be compatible with existing commercial and military issued respiratory protection. Additional features required are: material with improved heat transfer properties to reduce heat stress risk, moisture management and exterior venting of exhausted air. The barrier material must be durable withstanding the stress, normal abrasions, lacerations and rigors associated with consequence management operations. The cost of the ensemble should be comparable with current commercially available fully encapsulating chemical protective suits.

R1070 Bacillus anthracis Spore Destruction

Use the germination signaling pathways of Bacillus anthracis as a rational method of decontamination by identifying, developing and testing in the laboratory high vapor pressure compounds that induce germination (>99.9% in a single treatment) of Bacillus anthracis spores outside of a host or culture medium causing the spores to die after exhausting their stored nutrient resources.

5.2. Investigative Support and Forensic (IS) Mission Area/Subgroup

The Investigative Support and Forensics Subgroup is responsible for identifying and developing user requirements and associated technologies, equipment and solutions that improve current or provide new (a) forensic capabilities for analyzing terrorist-related evidence and (b) technology for supporting terrorist-related investigations.

R999 Computer Forensic Tool to Capture Volatile Information and Trace Data

Develop a computer forensic application that may be introduced into a Windows, Macintosh, Palm OS or Unix-based operating system to capture volatile information and trace data in random access memory. The tool will capture the current state of the computer including basic operating system information, what files are presently open, the screen display, logged-on users, running processes and other information that is not written to the hard drive and would be lost if power were disconnected from the computer. The tool must not write to the hard drive of the target system or rely on any binary code native to the computer to be examined.

Configure the application to use a minimum amount of RAM. Design the application to identify, bit image, and securely store collected information on other advanced storage media outside of the computer being examined. Develop and demonstrate proof of concept before developing initial prototypes of hardware.

Any methods and procedures must be scientifically validated to adhere to the evidentiary standards of Daubert v. Merrell Dow Pharmaceuticals Inc., 509 U.S. 579 (1993), 43 F3d 1311 (9th Circuit, 1995), and the appellate Federal Rules of Evidence. Deliverable prototype must be interoperable with existing sponsor methods and procedures.

5.3. Surveillance Collection and Operations Support (SC) Mission Area/Subgroup

The Surveillance Collections and Operations Support (SC) Subgroup is responsible for identifying and developing user requirements and associated technologies to support Surveillance, Collection and Operations Support. This includes development of equipment and systems that support intelligence gathering and special operations directed against terrorist activities.

R000-SC Unspecified Requirement - Surveillance Collection and Operations Support

New (or improved) technologies or technological capabilities pertaining to the field of Surveillance, Collection and Operations support that may be of interest to the TSWG, but was not specifically requested in this BAA.

ATTACHMENT A – ACRONYMS AND ABBREVIATIONS

BAA	Broad Agency Announcement		area/subgroup designation)
BIDS	BAA Information Delivery System	JPEG	Joint Photographic Experts Group
CASB-CMF	Cost Accounting Standards (CAS) Board - Cost of Money Factors	K	Thousand
CB	Chemical, Biological, Radiological and Nuclear Counter Measures (Also CBRNC or CBRN or CBR) (mission area/subgroup designation)	KB	Kilobyte
CCR	Central Contractor Registration	Lbs	Pounds
CDC	Center for Disease Control	LOS	Line of Sight
CFR	Code of Federal Regulations	LVB	Large Vehicle Bomb
CPFF	Cost Plus Fixed Fee	MB	Megabyte
CTTSO	Combating Terrorism Technology Support Office	MHz	Mega-Hertz
DFARS	Defense Federal Acquisition Regulation Supplement	MI	Minority Institutions
DPI	Dots per inch	mm	millimeter
DUNS	Data Universal Numbering System	NFPA	National Fire Protection Association
EDT	Eastern Daylight Time	NGEODRCV	Next Generation Explosive Ordnance Disposal Remote Controlled Vehicle
ET-SCBA	Expedient Tactical Self Contained Breathing Apparatus	OS	Operating System
EOD	Explosive Ordnance Disposal	PDF	Portable Data file
EST	Eastern Standard Time	PL	Public Law
FAQ	Frequently Asked Question	PP	Personnel Protection (mission area/subgroup designation)
FAR	Federal Acquisition Regulation	PSYOPS	Psychological Operations
FORAX	Fiber Optic Remote Amplifier Extension	QC	Quad Chart
FCCM	Facilities Capital Cost Of Money	R&D	Research and Development
FOIA	Freedom of Information Act	Rad	Radians
FP	Full Proposal	RAM	Random Access Memory
fps	Feet per second	RAMP	Remote Multi-band Amplifier
ft	Feet	RCV	Remote Controlled Vehicle
FY	Fiscal Year	RF	Radio Frequency
GFI	Government Furnished Information	RT	Receiver/Transmitters
GFM	Government Furnished Material	SBA	Small Business Administration
GIF	Graphics Interchange Format	SC	Surveillance Collection and Operations Support (Also SCOS)
GPS	Global Positioning System	SCBA	Self-Contained Breathing Apparatus
G/T	Gain to Noise	SDB	Small Disadvantaged Business
HBCU	Historically Black Colleges, Universities	SF	Standard Form
Hz	Hertz	SOW	Statement of Work
IED	Improvised Explosive Device	TIM	Toxic Industrial Material
IS	Investigative Support and Forensics (Also IS) (mission	TSWG	Technical Support Working Group
		UAV	Unmanned Air Vehicle
		USC	United States Code
		v	Versus
		VAC	Volts AC (alternating current)
		VIP	Very Important Person
		WP	White Paper